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SEPTEMBER 1940

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Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The armyworm and its control. W. R. Walton and C. M. Packard, Bureau of Entomology and Plant Quarantine. 12 p., illus. (F. B. 1859F.) Price 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Clothes moths. E. A. Back, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Leaf. 145L rev.) Price 5¢.

Cotton-seed treatment. R. J. Haskell and H. D. Barker, Bureau of Plant Industry. 8 p., illus. (Leaf. 198L.) Price 5¢.

TECHNICAL BULLETINS

The Technical Bulletin series contains the result of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Differential growth rates in cotton varieties and their response to seasonal conditions at Greenville, Tex. Homer C. McNamara, Dalton R. Hooton, and Dow D. Porter, Bureau of Entomology and Plant Quarantine. 44 p., illus. (T. B. 710T.) Price 10¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Influence of inbreeding and other factors on litter size in Chester White swine. H. O. Hetzer, W. V. Lambert, and J. H. Zeller, Bureau of Animal Industry. 11 p., illus. (Cir. 570C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Forecasting from synoptic weather charts. Richard Hanson Weightman, Weather Bureau. 52 p., illus. (M. P. 236M rev.) Price 10¢.[1]

Benefits of eradicating Bang's disease. John R. Mohler, A. E. Wight, and Elmer Lash, Bureau of Animal Industry. 18 p., illus. (M. P. 384M.) Price 5¢.

Living and forest lands. 48 p., illus. (M. P. 388M.) Price 10¢.

Buying beef by grade. Agricultural Marketing Service. illus. 8 p. (M. P. 392M.) Price 5¢.

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[1] These may be obtained from the issuing bureau.

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List of sires proved in dairy herd improvement associations 1940. Bureau of Dairy Industry. 240 p. (M. P. 393M.) Price 25¢.

School lunches using farm surpluses. Rowena Schmidt Carpenter and Fanny Walker Yeatman, Surplus Marketing Administration and Bureau of Home Economics. 48 p. (M. P. 408M.) Price 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Order amending regulations relating to meat inspection by adding definitions for lard and rendered pork fat. Bureau of Animal Industry. 1 p. (B. A. I. Order 211, rev., amdt. 13.)[1]

Bureau of Animal Industry. Service and regulatory announcements. July 1940. Pp. 69–78. (S. R. A.-B. A. I. 399.) Price 25¢ a year, 5¢ a copy.[2]

Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. Index, 1939. (S. R. A.-B. E. P. Q., Index 1939); April–June 1940. Pp. 39–64. (S. R. A.-B. E. P. Q. No. 143.)[1]

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

Iowa, Audubon County. (No. 34, series 1933.) 41 p., illus. Price 30¢.

Texas, Zavala County. (No. 21, series 1934.) 40 p., illus. Price 50¢.

OTHER PUBLICATIONS

Achieving a balanced agriculture. 74 p. Revision.

Erosion and related land use conditions on the Crooked Creek project near Indiana, Pa. J. G. Steele and R. G. Mowrey, Soil Conservation Service. 35 p., illus. (Erosion Survey no. 16.) Price 20¢. For sale only.

Planning committees cooperate with local governments. 11 p. (County Planning Series no. 8.) Price 5¢.

Report on the agricultural experiment stations, 1939. J. T. Jardine and F. D. Fromme. 265 p. Price 25¢.

REPRINTS FROM 1939 YEARBOOK

1675. The white rat as a contributor to science. Pp. 145–151. Price 5¢.
1676. Human food requirements—carbohydrates, fats, energy. Pp. 152–172. Price 5¢.
1680. Food composition. Pp. 272–285. Price 5¢.
1682. Present-day diets in the United States. Pp. 296–320. Price 5¢.
1688. Food grades and the consumer. Pp. 364–371. Price 5¢.
1690. Better nutrition as a national goal. Pp. 380–402. Price 5¢.
1691. Sources and cycles of the nutritive elements. Pp. 405–417. Price 5¢.
1702. Figuring the rations of dairy cows. Pp. 592–596. Price 5¢.
1703. Practical feeding and nutritional requirements of young dairy stock. Pp. 597–638. Price 10¢.
1704. Variations in the composition of milk. Pp. 639–648. Price 5¢.
1705. Utilization of feed energy and feed protein in milk secretion. Pp. 649–667. Price 5¢.
1706. The vitamins in milk and in milk production. Pp. 668–684. Price 5¢.
1708. Milk in nutritional research—A sketch of progress. Pp. 699–705. Price 5¢.
1720. The nutritive value of harvested forages. Pp. 956–991. Price 10¢.
1723. Deficient and excess minerals in forage in the United States. Pp. 1027–1044. Price 5¢.

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[1] These may be obtained from the issuing bureau.
[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Farmers' Bulletins	Leaflets	Other publications

1724. What do we need to know in livestock nutrition? Pp. 1045–1064. Price 5¢.

1726. Literature cited for Yearbook of Agriculture—1939. Pp. 1075–1142. Price 10¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. There may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 24, No. 9, September 1940. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.[2]

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 17, No. 8, August 1940. Price 10¢ a copy; $1.00 a year, domestic; $1.50 a year, foreign.[2]

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Extension service review. Vol. 10, no. 9, September 1940. Illus. Price 10¢ a copy; 75¢ a year, domestic; $1.15 a year, foreign.[2]

Journal of agricultural research. Each issue 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.[2] *Not distributed free to individuals.*

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

A–194. (In Vol. 60, No. 3.) **Minimum lethal dose of selenium, as sodium selenite, for horses, mules, cattle and swine.** W. T. Miller and K. T. Williams.

A–195. (In Vol. 60, No. 5.) **Comparison of the accuracy of two methods of estimating fineness of wool fibers.** Ralph W. Phillips, R. G. Schott, J. I. Hardy, and H. W. Wolf.

G–1147. (In Vol. 60, No. 2.) **A rot of Winter Queen watermelons caused by *Phytophthora capsici*.** James S. Wiant and C. M. Tucker.

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G–1157. (In Vol. 60, No. 3.) **A cytological study of some species in the genus *Paspalum*.** Glenn W. Burton.

Iowa–31. (In Vol. 60, No. 4.) **Bacterial wilt resistance and genetic host-parasite interactions in maize.** Ralph E. Lincoln.

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N. C.–36. (In Vol. 60, No. 2.) **The vitamin A activity and the vitamin B_1 content of soybeans and cowpeas.** J. O. Halverson and F. W. Sherwood.

Va.–15. (In Vol. 60, No. 2.) **Frenching of tobacco distinguished from thallium toxicity by spectrographic analysis.** G. M. Shear and H. D. Ussery.

Wis.–111. (In Vol. 60, No. 4.) **Relation of the near-wilt fungus to the pea plant.** W. J. Virgin and J. C. Walker.

Wis.–113. (In Vol. 60, No. 3.) **Influence of the physiological age of the pea plant on its recovery from aphid damage.** Cecil D. Harrington and Ed. M. Searls.

[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Soil conservation. Vol. 6, No. 3, September 1940. Price 10¢ a copy; $1 a year, domestic; $1.50 a year, foreign.[2]

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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